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DATE: Wednesday, October 27, 2004

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		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L6	phaseolamin	19
<input type="checkbox"/>	L5	L2 and L4	1
<input type="checkbox"/>	L4	wrinkle formation	995
<input type="checkbox"/>	L3	kidney bean with extract\$4	89
<input type="checkbox"/>	L2	kidney bean and extract\$4	816
<input type="checkbox"/>	L1	kidney bean extract	6

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 12:01:07 ON 27 OCT 2004)

FILE 'MEDLINE, KOSMET, HCAPLUS' ENTERED AT 12:01:45 ON 27 OCT 2004

L1	4 S KIDNEY BEAN EXTRACT
L2	0 S KIDNEY BEAN EXTRACTION
L3	18 S PHASEOLAMIN
L4	384 S WRINKLE FORMATION
L5	0 S L1 AND L4
L6	0 S L3 AND L4
L7	14 S KIDNEY BEAN AND EXTRACTION
L8	0 S L7 AND L4
L9	1 S KIDNEY BEAN AND EXTRACTING
L10	0 S L9 AND L4

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fields
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status data from INPADOC
NEWS 9 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 10 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
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AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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=> file medline kosmet hcaplus

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FILE 'MEDLINE' ENTERED AT 12:01:45 ON 27 OCT 2004

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=> s kidney bean extract

L1 4 KIDNEY BEAN EXTRACT

=> d l1 1-4 ibib abs

L1 ANSWER 1 OF 4 MEDLINE on STN
 ACCESSION NUMBER: 2003019476 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 12493089
 TITLE: Modulation of ovomucoid-specific oral tolerance in mice fed plant extracts containing lectins.
 AUTHOR: Kjaer Tanja M R; Frokiaer Hanne
 CORPORATE SOURCE: BioCentrum-DTU, Biochemistry and Nutrition, Technical University of Denmark, Lyngby, Denmark.
 SOURCE: British journal of nutrition, (2002 Dec) 88 (6) 671-80.
 Journal code: 0372547. ISSN: 0007-1145.
 PUB. COUNTRY: England: United Kingdom
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200301
 ENTRY DATE: Entered STN: 20030116
 Last Updated on STN: 20030129
 Entered Medline: 20030128

AB We investigated the effect of feeding extracts of four different legumes (red kidney bean (*Phaseolus vulgaris*), peanut (*Arachis hypogaea*), soyabean (*Glycine max*) and pea (*Pisum sativum*) on the specific immune response against a food protein. Mice were fed ovomucoid and the specific immune response was evaluated. Ovomucoid fed alone resulted in oral tolerance induction measured as both a reduced ovomucoid-specific spleen cell proliferation and antibody response. Feeding **kidney-bean extract** prevented induction of oral tolerance to ovomucoid measured as spleen cell proliferation in vitro. Pure kidney-bean lectin also prevented oral tolerance induction, suggesting that lectin in the **kidney-bean extract** caused inhibition of oral tolerance. Parenteral administration (intravenous and intraperitoneal) of pure kidney-bean lectin had no significant influence on oral tolerance induction. Soyabean extract also influenced the immune response against ovomucoid; however, this was not as pronounced as for kidney bean and was only significant ($P < 0.001$) for the antibody response. No effect was observed when pea extract was fed and peanut extract had a non-significant effect on induction of oral tolerance and on the general immune response. Plasma antibodies against kidney-bean lectin, but not against the three other legume lectins, were detected. Our current findings show that other dietary components can influence the specific immune response against food proteins. Various dietary components may thus contribute to the onset of adverse immunological responses.

L1 ANSWER 2 OF 4 MEDLINE on STN
 ACCESSION NUMBER: 2000450107 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 10913819
 TITLE: A new lectin in red kidney beans called PvFRIL stimulates proliferation of NIH 3T3 cells expressing the Flt3 receptor.
 AUTHOR: Moore J G; Fuchs C A; Hata Y S; Hicklin D J; Colucci G; Chrispeels M J; Feldman M
 CORPORATE SOURCE: ImClone Systems Incorporated, New York, New York 10014, USA.. jmoore@phylogix.com
 SOURCE: Biochimica et biophysica acta, (2000 Jul 26) 1475 (3) 216-24.
 Journal code: 0217513. ISSN: 0006-3002.
 PUB. COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200011
 ENTRY DATE: Entered STN: 20010322
 Last Updated on STN: 20021218
 Entered Medline: 20001103

AB A new legume lectin has been identified by its ability to specifically stimulate proliferation of NIH 3T3 fibroblasts expressing the Flt3 tyrosine kinase receptor. The lectin was isolated from conditioned medium harvested from human peripheral blood mononuclear cells activated to secrete cytokines by a crude red **kidney bean extract** containing phytohemagglutinin (PHA). Untransfected 3T3 cells and 3T3 cells transfected with the related Fms tyrosine kinase receptor do not respond to this lectin, which we called PvFRIL (Phaseolus vulgaris Flt3 receptor-interacting lectin). When tested on cord blood mononuclear cells enriched for Flt3-expressing progenitors, purified PvFRIL fractions maintained a small population of cells that continued to express CD34 after 2 weeks in suspension cultures containing IL3. These cultures did not show the effects of IL3's strong induction of proliferation and differentiation (high cell number and exhausted medium); instead, low cell number at the end of the culture period resulted in persistence of cells in the context of cell death. These observations led to the hypothesis that PvFRIL acts in a dominant manner to preserve progenitor viability and prevent proliferation and differentiation.

L1 ANSWER 3 OF 4 MEDLINE on STN
ACCESSION NUMBER: 93367382 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8360608
TITLE: Differentiation of alpha-amylase from various sources: an approach using selective inhibitors.
AUTHOR: Quarino L; Hess J; Shenouda M; Ristenbatt R R; Gold J; Shaler R C
CORPORATE SOURCE: Office of the Chief Medical Examiner, Department of Forensic Biology, New York City, NY 10016.
SOURCE: Journal - Forensic Science Society, (1993 Apr-Jun) 33 (2) 87-94.
Journal code: 7505560. ISSN: 0015-7368.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199309
ENTRY DATE: Entered STN: 19931015
Last Updated on STN: 19931015
Entered Medline: 19930928

AB A radial diffusion assay in an agarose/starch gel utilizing crude **kidney bean extract** and a commercially prepared alpha-amylase inhibitor isolated from wheat seeds was developed and assessed to determine its ability to differentiate alpha-amylase from various sources. **Kidney bean extract** was found to have a greater inhibitory effect on AMY2, while the wheat lectin inhibitor was found to have a greater inhibitory effect on AMY1. Neither inhibitor was found to have any effect on commercially prepared bacterial alpha-amylase extract in both liquid preparations and dried stains. Mixtures of varying concentrations of pancreatic and salivary extracts also gave interpretable results. Additionally, dried stains prepared from human body fluids having high levels of AMY2 were differentiated from dried stains prepared from human body fluids containing high levels of AMY1.

L1 ANSWER 4 OF 4 KOSMET COPYRIGHT 2004 IFSCC on STN
ACCESSION NUMBER: 24662 KOSMET
FILE SEGMENT: scientific, technical
TITLE: EFFECTS OF KIDNEY BEAN (PHASEOLUS VULGARIS) EXTRACTS ON COLLAGEN BIOSYNTHESIS AND HYALURONIC ACID SYNTHESIS IN HUMAN NORMAL FIBROBLAST
AUTHOR: LEE K T (COREANA COSMETICS CO. LTD., CHEONAN, KOREA); KIM S W; JEONG J H; JO B K
SOURCE: IFSCC CONFERENCE, MAY 7 - 9, 2001, STOCKHOLM, SWEDEN, "QUALITY OF COSMETICS ; AN EXPLOSIVE MYTH ?",

P225-230, 5 REFS
Meeting Organizer: SCANCOS, IFSCC
Availability: SCANCOS, IFSCC
(POSTER); Conference

DOCUMENT TYPE:

LANGUAGE:

English

AN 24662 KOSMET FS scientific, technical

AB For an attempt to develop safe plant materials as a substitute for female hormone (estrogen), plant extracts were evaluated for their biological activities. From the results of these screening procedures, the ethanol extract of the kidney bean (*Phaseolus vulgaris*) was selected for further study. Cultured human skin fibroblast were treated with **kidney bean extract** at different concentration (100-500 (g/ml)). Cell proliferation was measured by MTT assay. The quantitative analysis of collagen synthesis was performed by PICP (Procollagen Type I C-peptide) enzyme immunoassay. Then hyaluronic acid analysis was determined by two-dimensional electrophoresis on a cellulose acetate strip. The results showed increased cell proliferation, collagen production and hyaluronic acid biosynthesis in response to **kidney bean extract** in a dose dependent manner. These results suggest that the **kidney bean extract** may be useful for treatment on aging skin mediated by increased collagen production and hyaluronic acid bio-synthesis

=> s kidney bean extraction

L2 0 KIDNEY BEAN EXTRACTION

=> s phaseolamin

L3 18 PHASEOLAMIN

=> s wrinkle formation

L4 384 WRINKLE FORMATION

=> s L1 and L4

L5 0 L1 AND L4

=> s L3 and L4

L6 0 L3 AND L4

=> s kidney bean and extraction

L7 14 KIDNEY BEAN AND EXTRACTION

=> s L7 and L4

L8 0 L7 AND L4

=> s kidney bean and extracting

L9 1 KIDNEY BEAN AND EXTRACTING

=> s L9 and L4

L10 0 L9 AND L4

=> d l8 1 ibib abs

L8 HAS NO ANSWERS

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L4 384 SEA WRINKLE FORMATION

L7 14 SEA KIDNEY BEAN AND EXTRACTION
L8 0 SEA L7 AND L4